

Suggested Specification  
SECTION 10 26 13  
Wallguard.com Defender Series 2375B - 2HR Fire Rated

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. This section includes the following wall protection system:
  - 1. Corner Guards
- B. Related Sections
  - 1. Section 10 26 16 - Bumper Guards
  - 2. Section 10 26 23 - Protective Wall Covering
  - 3. Section 10 26 33 - Door and Frame Protection
  - 4. Section 09 22 00 - Supports for Plaster and Gypsum Board

**1.02 REFERENCES**

- A. Abbreviations and Acronyms
  - 1. National Fire Protection Association (NFPA)
  - 2. American Society for Testing and Materials (ASTM)
  - 3. Underwriters Laboratories (UL)
  - 4. American National Standards Institute (ANSI)

**1.03 SUBMITTALS**

- A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures".
- B. Product Data
  - 1. Data sheet illustrating product dimensions, options, and related components.
  - 2. Installation instructions.
- C. Samples for verification of design suitability, color, and finish.
  - 1. 12" (304) Long sample.
- D. Test reports from a qualified independent laboratory showing results in compliance to requirements indicated

**1.04 QUALITY ASSURANCE**

- A. Manufacturer to have no less than 5 years experience in the production of wall protection products having successful in-service performance.
- B. Color Control: Provide extruded and molded components that meet visual and colorimetric evaluation of color to a controlled standard.
  - 1. Colorimetric evaluation less than or equal to 1.0 CMC DE (Delta E) when measured under cool white fluorescent lighting.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Storage: Store wall protection products in original packaging. Protect from weather, extreme temperatures, and moisture.
  - 1. Maintain temperature during storage between 40° - 100°F (4° - 38°C).
  - 2. Store materials flat to prevent twisting or sagging of cartons.
- B. Handling: Take adequate measure to prevent damage to materials. Avoid exposure of plastic products to direct sunlight.

## **1.06 SITE CONDITIONS**

- A. Ambient Conditions: Do not install wall protection products until installation areas are enclosed and weatherproof. HVAC system must be operational and maintaining temperature at 65°-75°F (18°-24°C) for at least 72 hours prior to installation.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

Wallguard.com  
PO Box 1109  
Dover Plains, NY 12522  
Tel: 877-943-6826  
www.wallguard.com

### **2.02 DESCRIPTION**

- A. Model 2375 - 2HR, 1 5/8" (41) x Partition Width x 1 5/8" (41) Flush mounted end-wall guard with continuous aluminum retainers, fire resistant barrier, flexible impact cushions, and 1/4" (6) radius snap-on plastic cover. Outer edges of retainers shall be tapered, ribbed, and perforated for drywall installation. Suitable for partition widths 4 7/8" (124) to 7 1/4" (184). Product is designed for full height, floor to ceiling installation. Available with optional cove base aluminum insert for use with flexible cove base, standard in 4" (102) and 6" (152) length. Select color from manufacturer's standard or custom colors. Specify end-wall guard 2320 for partial height installations and partition widths greater than 7 1/4" (184).

### **2.03 DESIGN AND PERFORMANCE CRITERIA**

- A. Fire Endurance Rating:
  - 1. Corner guard assembly rated for 120 minutes (2HR), tested in accordance with ASTM E119.
- B. Flammability Characteristics: High impact vinyl components.
  - 1. Class A Interior wall finish (NFPA 101 Life Safety), tested in accordance with ASTM E84.
    - a. Flame Spread: 25 or less
    - b. Smoke Developed: 450 or less
  - 2. Classification of HB when tested in accordance with ASTM D635.
- C. Stain Resistance: High impact vinyl components.
  - 1. Material to be tested for stain resistance to various chemical reagents in accordance with ASTM D543.
- D. Bacterial and Fungal Growth: High impact vinyl components.
  - 1. Material must not support bacteria or fungal growth when tested in accordance with ASTM G21 and ASTM G22.
- E. Impact Resistance: High impact vinyl components.
  - 1. Izod impact strength ASTM D256 method A notched, 23.8 ft-lbs/in average with no break.
  - 2. Charpy impact strength ASTM D6110 notched, 26.1 ft-lbs/in average with no break.

### **2.04 MATERIALS**

- A. Cover: Extruded high impact vinyl sheet, nominal 0.093" (2.4) thickness, colored throughout.

- B. Aluminum Retainer: Extruded aluminum, alloy 6063-T6 (ASTM B221), nominal 0.070" (1.8) thickness.
- C. Fire Resistant Barrier: Galvanized sheet metal, 24 gauge (ASTM A526/A527).
- D. Cove Base Insert: Factory formed aluminum sheet, alloy 5052-H32 (ASTM B209), nominal .125" (3) thickness.
- E. Impact Cushions: Extruded thermoplastic, 70 durometer Shore A.

## **2.05 FABRICATION**

- A. Cover shall be factory formed from rigid vinyl sheet.
  - 1. Single piece fabrication to 120" (1440) in length, longer units will be in multiple sections.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Examine walls for availability of backing to ensure secure attachment of wall protection products.
- B. Verify that HVAC is operating and installation area temperature has been maintained between 65°-75°F (18°-24°C) for at least 72 hours prior to installation.
- C. Verify application of wall finishes has been completed in accordance with project finish plan.

### **3.02 PREPARATION**

- A. Surface Preparation: Clean substrate to remove dust and debris.

### **3.03 INSTALLATION**

- A. Acclimate materials to building conditions for at least 24 hours prior to installation.
- B. Install wall protection products in accordance with manufacturer's installation instructions.

### **3.04 PROTECTION**

- A. Protect installed material from damage by other trades. Use materials that will not mark, stain, or leave residue on the product.